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|   |    |                        |                  |
|---|----|------------------------|------------------|
| <b>TRANSMITTAL FORM</b><br>(to be used for all correspondence after initial filing) |    | Application No.        | 10/770,641       |
|   |    | Filing Date            | February 2, 2004 |
|   |    | First Named Inventor   | Taek-Seung Kim   |
|   |    | Art Unit               | 2824             |
|   |    | Examiner Name          | Pho M. Luu       |
| Total Number of Pages in This Submission  | 15 | Attorney Docket Number | 51876P590        |

| ENCLOSURES (check all that apply)   |   |   |
|---|---|---|
| <input checked="" type="checkbox"/> Fee Transmittal Form<br><br><input type="checkbox"/> Fee Attached<br><br><input checked="" type="checkbox"/> Amendment / Response<br><br><input type="checkbox"/> After Final<br><input type="checkbox"/> Affidavits/declaration(s)<br><br><input type="checkbox"/> Extension of Time Request<br><br><input type="checkbox"/> Express Abandonment Request<br><br><input type="checkbox"/> Information Disclosure Statement<br><br><input type="checkbox"/> PTO/SB/08<br><br><input type="checkbox"/> Certified Copy of Priority Document(s)<br><br><input type="checkbox"/> Response to Missing Parts/Incomplete Application<br><br><input type="checkbox"/> Basic Filing Fee<br><input type="checkbox"/> Declaration/POA<br><br><input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53 | <input type="checkbox"/> Drawing(s)<br><br><input type="checkbox"/> Licensing-related Papers<br><br><input type="checkbox"/> Petition<br><br><input type="checkbox"/> Petition to Convert a Provisional Application<br><br><input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address<br><br><input type="checkbox"/> Terminal Disclaimer<br><br><input type="checkbox"/> Request for Refund<br><br><input type="checkbox"/> CD, Number of CD(s) | <input type="checkbox"/> After Allowance Communication to Group<br><br><input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences<br><br><input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)<br><br><input type="checkbox"/> Proprietary Information<br><br><input type="checkbox"/> Status Letter<br><br><input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):<br><div style="border: 1px solid black; padding: 5px; margin-top: 5px;">Return receipt postcard</div> |
| Remarks   |   |   |

| SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT |  |
|--|--|
| Firm or Individual name                    | Steven Laut, Reg. No. 47,736<br>BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP |
| Signature                                  |  |
| Date                                       | October 31, 2005   |

| CERTIFICATE OF MAILING/TRANSMISSION  |              |      |                  |
|--|--------------|------|------------------|
| I hereby certify that this correspondence is being deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. |              |      |                  |
| Typed or printed name  | Jean Syoboda |      |                  |
| Signature  |              | Date | October 31, 2005 |



# FEE TRANSMITTAL for FY 2005

Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27.

TOTAL AMOUNT OF PAYMENT (\$)

0.00

## Complete if Known

|                      |                  |
|----------------------|------------------|
| Application Number   | 10/770,641       |
| Filing Date          | February 2, 2004 |
| First Named Inventor | Taek-Seung Kim   |
| Examiner Name        | Pho M. Luu       |
| Art Unit             | 2824             |
| Attorney Docket No.  | 51876P590        |

## METHOD OF PAYMENT (check all that apply)

☐ Check ☐ Credit card ☐ Money Order ☐ None ☐ Other (please identify): \_\_\_\_\_

☒ Deposit Account Deposit Account Number: \_\_\_\_\_ Deposit Account Name: Blakely, Sokoloff, Taylor & Zafman LLP

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☐ Charge fee(s) indicated below, except for the filing fee  
☒ Charge any additional fee(s) or underpayment of fee(s) under 37 CFR §§ 1.16, 1.17, 1.18 and 1.20. ☐ Credit any overpayments

## FEE CALCULATION

### 1. EXTRA CLAIM FEES

|                    | Extra Claims | Fee from below | Fee Paid |
|--------------------|--------------|----------------|----------|
| Total Claims       | 11           | 20**           | 0        |
| Independent Claims | 2            | 3**            | 0        |
| Multiple Dependent |              |                |          |

| Large Entity | Small Entity | Fee Code | Fee (\$) | Fee Description   |
|--------------|--------------|----------|----------|---|
| 1202         | 2202         | 50       | 25       | Claims in excess of 20                                    |
| 1201         | 2201         | 200      | 100      | Independent claims in excess of 3                         |
| 1203         | 2203         | 360      | 180      | Multiple Dependent claim, if not paid                     |
| 1204         | 2204         | 300      | 150      | **Reissue independent claims over original patent         |
| 1205         | 2205         | 300      | 150      | **Reissue claims in excess of 20 and over original patent |

SUBTOTAL (1) (\$)

0.00

\*\*or number previously paid, if greater, For Reissues, see below

### 2. ADDITIONAL FEES

| Large Entity | Small Entity | Fee Code | Fee (\$) | Fee Description  |
|--------------|--------------|----------|----------|--|
| 1051         | 2051         | 130      | 65       | Surcharge - late filing fee or oath                              |
| 1052         | 2052         | 50       | 25       | Surcharge - late provisional filing fee or cover sheet.          |
| 2053         | 2053         | 130      | 130      | Non-English specification  |
| 1251         | 2251         | 120      | 60       | Extension for reply within first month                           |
| 1252         | 2252         | 450      | 225      | Extension for reply within second month                          |
| 1253         | 2253         | 1,020    | 510      | Extension for reply within third month                           |
| 1254         | 2254         | 1,590    | 795      | Extension for reply within fourth month                          |
| 1255         | 2255         | 2,160    | 1,080    | Extension for reply within fifth month                           |
| 1401         | 2401         | 500      | 250      | Notice of Appeal   |
| 1402         | 2402         | 500      | 250      | Filing a brief in support of an appeal                           |
| 1403         | 2403         | 1,000    | 500      | Request for oral hearing   |
| 1451         | 2451         | 1,510    | 1,510    | Petition to institute a public use proceeding                    |
| 1460         | 2460         | 130      | 130      | Petitions to the Commissioner                                    |
| 1807         | 1807         | 50       | 50       | Processing fee under 37 CFR 1.17(q)                              |
| 1806         | 1806         | 180      | 180      | Submission of Information Disclosure Stmt                        |
| 1809         | 1809         | 790      | 395      | Filing a submission after final rejection (37 CFR § 1.129(a))    |
| 1810         | 2810         | 790      | 395      | For each additional invention to be examined (37 CFR § 1.129(b)) |

Other fee (specify) \_\_\_\_\_

SUBTOTAL (2)

(\$)

Fee Paid

## SUBMITTED BY

Complete (if applicable)

|                   |            |                                   |          |           |                |
|-------------------|------------|-----------------------------------|----------|-----------|----------------|
| Name (Print/Type) | Steven Lau | Registration No. (Attorney/Agent) | 47,736   | Telephone | (310) 207-3800 |
| Signature         |            | Date                              | 10/31/05 |           |                |



Attorney Docket No. 051876P590

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re the Patent Application of:

**Taek-Seung Kim**

Serial No. 10/770,641

Filed: February 2, 2004

**ADDRESS INPUT BUFFER OF DIFFERENTIAL  
AMPLIFICATION TYPE IN SEMICONDUCTOR  
MEMORY DEVICE**

Examiner: Pho M. Luu

Art Unit: 2824

Mail Stop Amendment  
Commissioner for Patents  
Post Office Box 1450  
Alexandria, Virginia 22313-1450

**AMENDMENT AND RESPONSE TO OFFICE ACTION**

Sir:

In response to the Office Action mailed July 29, 2005, regarding the above-referenced application, Applicant respectfully requests entry of the amendment set forth below in consideration of the remarks that follow.